

2265 U.S. PTO
040904

U.S. Department of Commerce
Patent and Trademark Office
PATENT

UTILITY PATENT APPLICATION TRANSMITTAL

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No. 23696
Attorney Docket No.: 040319
Date: April 9, 2004
Express Mail Label No.: EV384114396US

17548 U.S. PTO
10/821390
040904

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Mark S. Wallace, J. Rodney Walton, Steven J. Howard

For: SPATIAL PROCESSING WITH STEERING MATRICES FOR PSEUDO-RANDOM
TRANSMIT STEERING IN A MULTI-ANTENNA COMMUNICATION SYSTEM

Enclosed are:

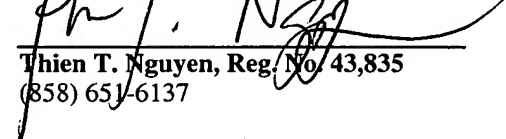
- 1. ☒ Patent application (35) total pages.
- 2. ☒ Drawings: ☒ Formal (3) sheet(s) or ☐ Informal () sheet(s).
- 3. ☐ Declaration/Power of Attorney: ☐ Signed ☐ Unsigned
- 4. ☐ This application claims priority from Application Serial No., Filed, Status.
- 5. ☐ An Assignment (2) pages and Recordation Form Cover Sheet.
- 6. ☐ A Preliminary Amendment () pages.
- 7. ☒ Information Disclosure Statement (IDS):
 - a. ☒ PTO-1449
 - b. ☒ Copies of IDS Citations (number of citations: 2)
- 8. ☐ Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	52 - 20	32	x \$18 =	\$576.00
Independent**	9 - 3	6	x \$86 =	\$516.00
Multiple Dependent Claim(s): <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			\$290	\$0.00
APPLICATION FILING FEE			\$770	\$770.00
			TOTAL FEE	\$1,862.00

*If the number in column a is less than 20, enter 0 in column b.
**If the number in column b is less than 3, enter 0 in column b.

- 9. ☐ A check in the amount of \$_____ is enclosed to pay the filing fee.
- 10. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1,862.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
- 11. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: April 9, 2004

Signature: 
Thien T. Nguyen, Reg. No. 43,835
(858) 651-6137

CORRESPONDENCE ADDRESS

Send correspondence to Customer No. 23696 at the following address:

QUALCOMM Incorporated
Attn: Patent Department
5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 658-5787
Facsimile: (858) 658-2502